

RNA pool

GGGAAGGCACGAC--- N51---AGACCCAAACCAGCCAGAGACC SEQ ID NO: 2

Fig. 1A

ATP-40-1 GGGUUGGGAAGAAACUGUGGCACUUCGGUGGCCAGCAACCC SEQ ID NO: 3

Fig. 1B

Family 1	raf15	(7)	GAAGCAAGCAGGCAACGAACACACAGAA <u>GACCGGGGGAACUACCGCGGUGCU</u>	SEQ ID NO: 4
	raf17		GAAGCAAGCAGGCAACGAACACACAGAA <u>GACCGGGGGAACUACCGCGGUGCC</u>	SEQ ID NO: 5
	raf134		GAAGCAAGCAGGCAACGAACACACAGAA <u>GACCGGGGGAACUACCGCGGUGCG</u>	SEQ ID NO: 6
Family 2	raf110	(5)	CGCGGUAACACAGGGGCAAAAGCGGCAGGGCC <u>CAGAAAGGAUAACAGUAGCA</u>	SEQ ID NO: 7
Family 3	raf111		AGGGACGGAGCCCC-UAAAGACAAAGAGGGCGGCAGGAUGCCA-AACAGGUAG	SEQ ID NO: 8
	raf18		AGGGACGGAGCCCCAAAGACAAAGAGGGCGGCAGGAUGCCAGAACAGGUAG	SEQ ID NO: 9
	raf133		AGGGACGGAGCCCC-AAAGACAAAGAGGGCGGCAGGAAGCCA-AACAGGUAG	SEQ ID NO: 10
Family 4	raf117	(3)	GAAGAGCCGGCGGAGGGCGGAGGCCAGGAAGAACCGGCCACGGAGGG	SEQ ID NO: 11
Family 5	raf114		GCACCGACGAGGAGGAGGGGAGAGGAAGGCGCCGUAGCCGGCGGGG	SEQ ID NO: 12
	raf120		GCACCGACGAGGAGGUGGAGGGGAGAGGAAGGCGCCGUAGCCGGGAAGGG	SEQ ID NO: 13
	raf126		GAGGCCAGGAGACGAAAGCGGAACCAACAAGGCAGGCAGAGCCCGGUGCAC	SEQ ID NO: 14
	raf128		CGCGCAAGAUACCGCCCGACAGCGGAAGGAGGGGCAUGCGGUCCAGGGCUG	SEQ ID NO: 15

Fig. 1C

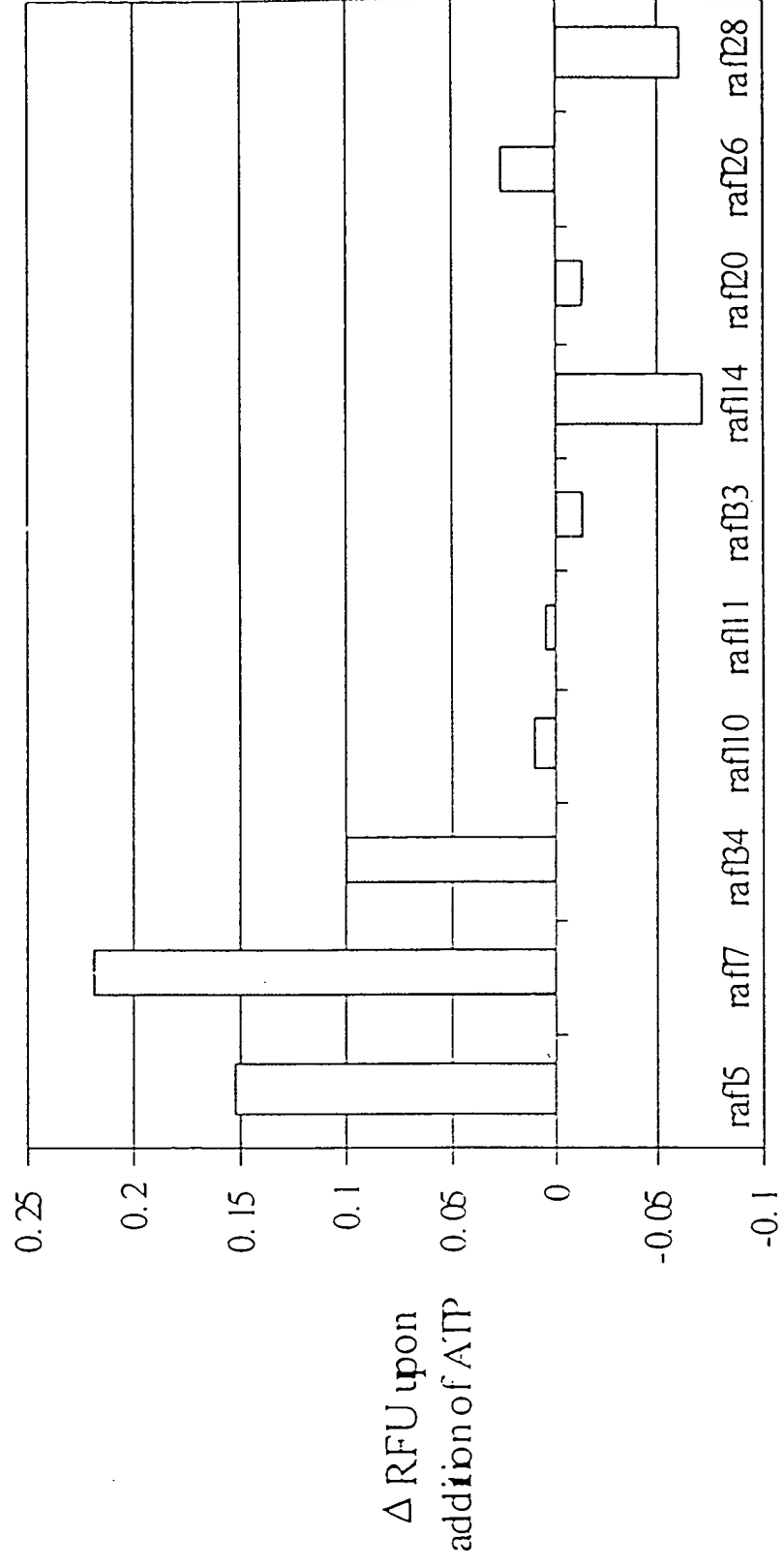


Fig. 1D

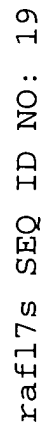
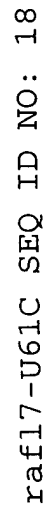
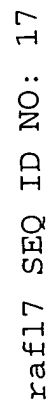
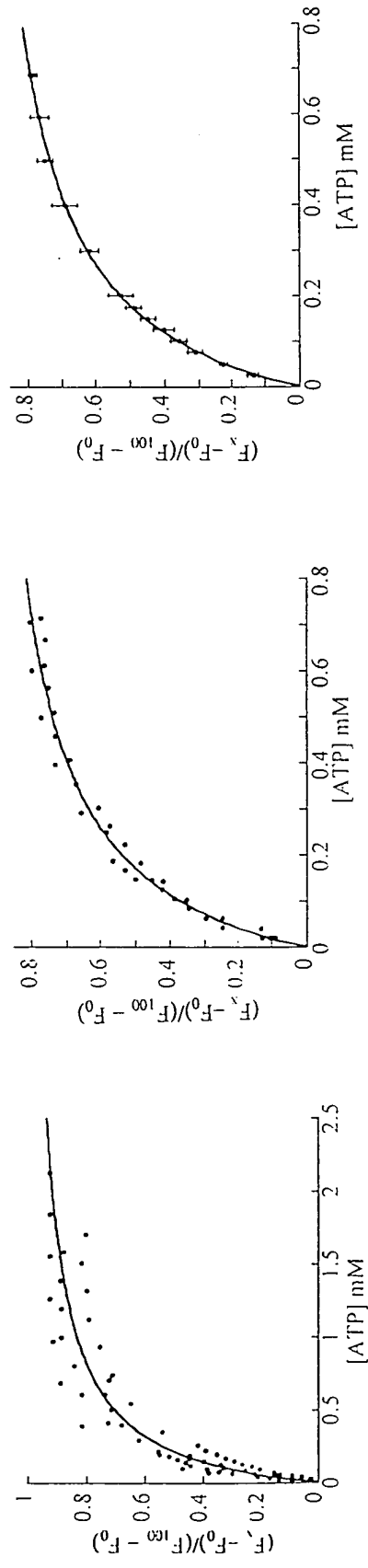


Fig. 2A



	raf17	raf17-U61C	raf17s
R^2	0.93	0.98	0.99
Apparent K_d	$223 \pm 20 \mu\text{M}$	$165 \pm 10 \mu\text{M}$	$175 \pm 5 \mu\text{M}$
Max change in RFU (A)	$56 \pm 2 \%$	$75 \pm 2 \%$	$81 \pm 4 \%$

Fig. 2B

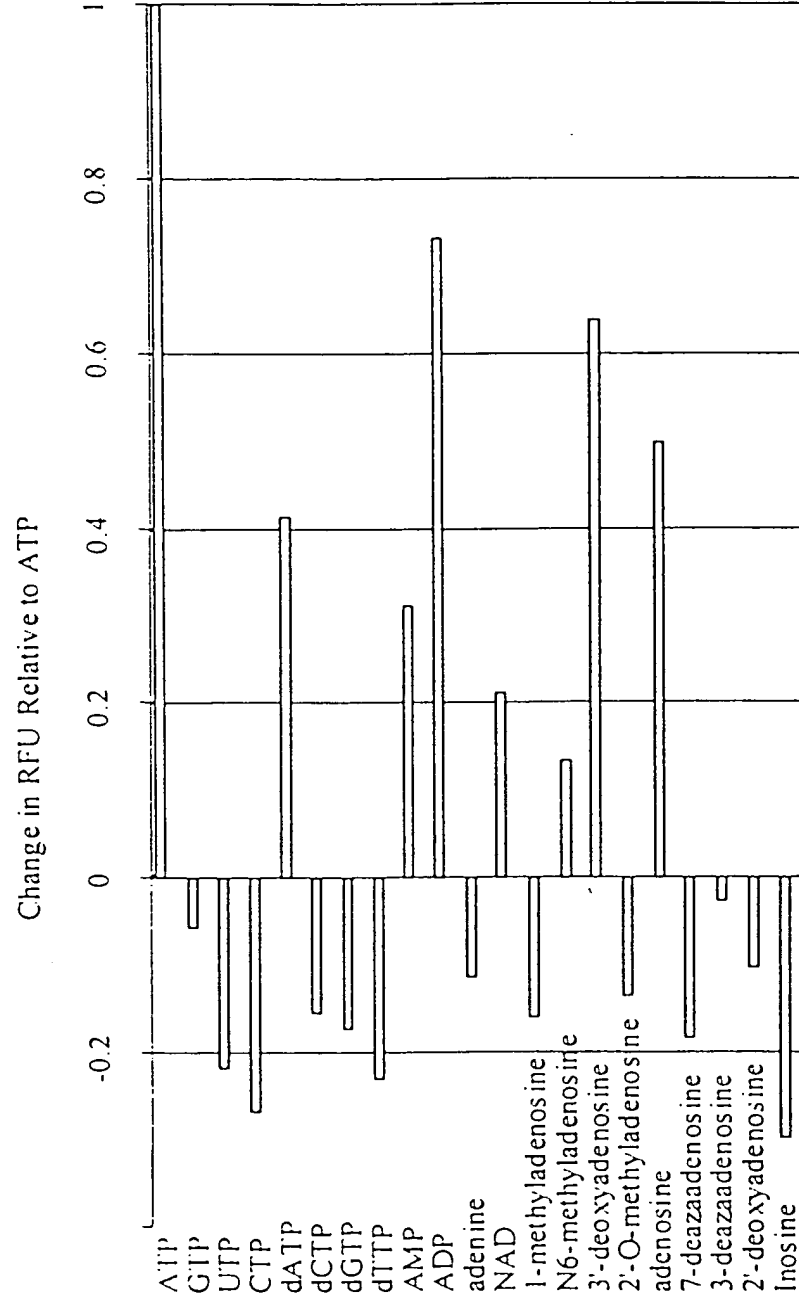
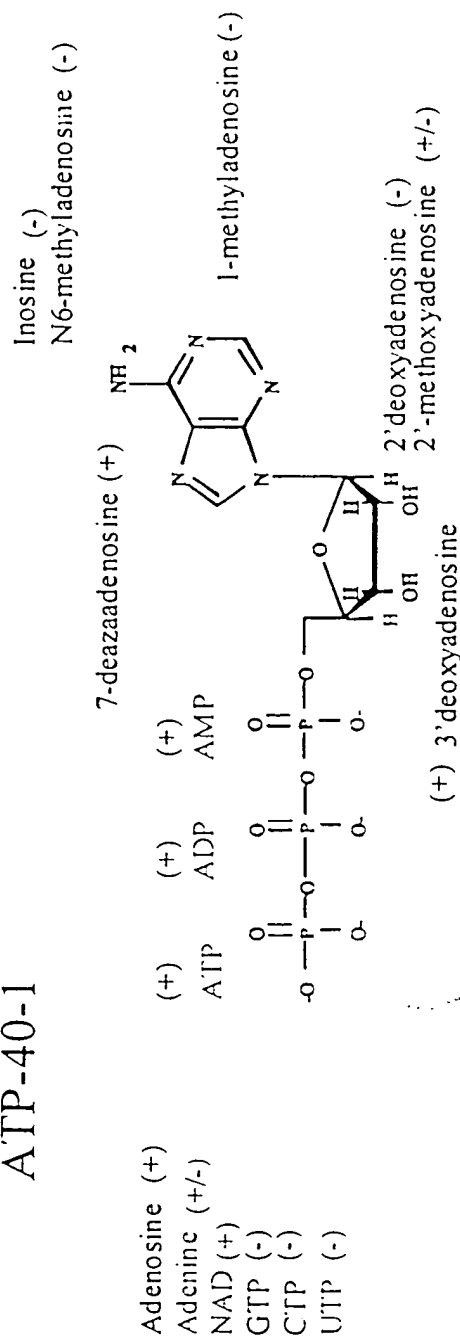


Fig. 3A

ATP-40-1



raf17-U61C

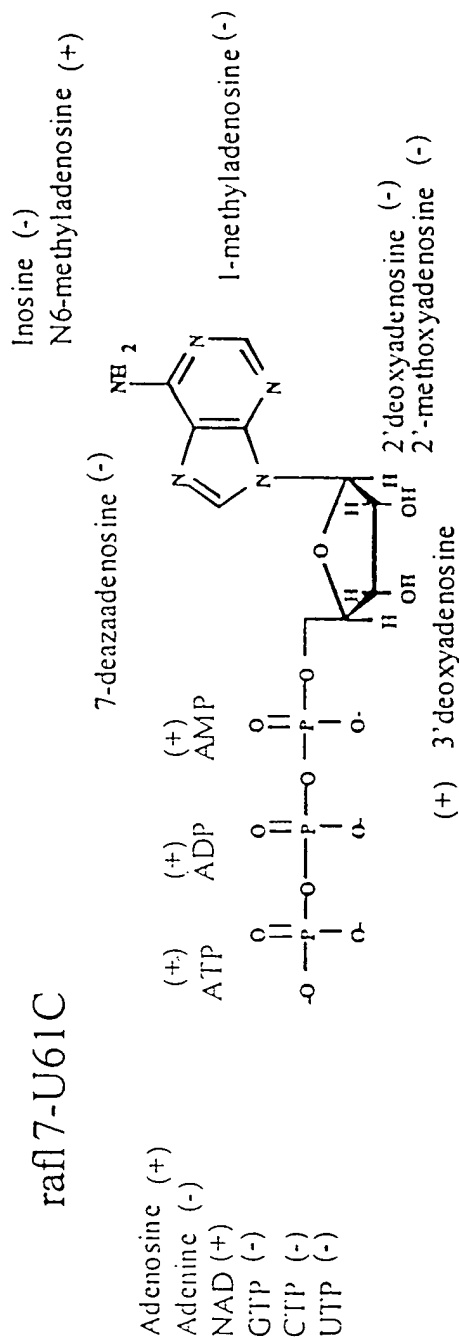
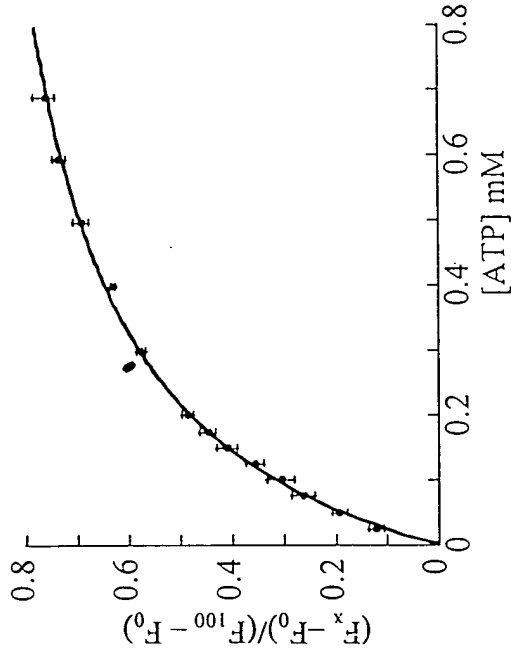
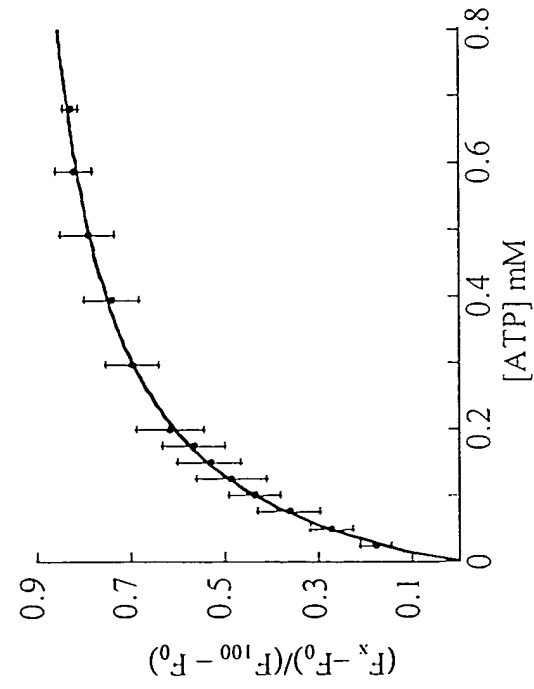


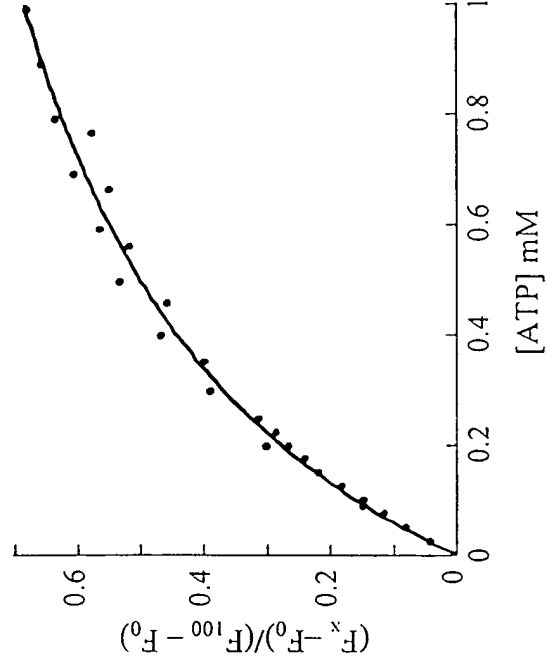
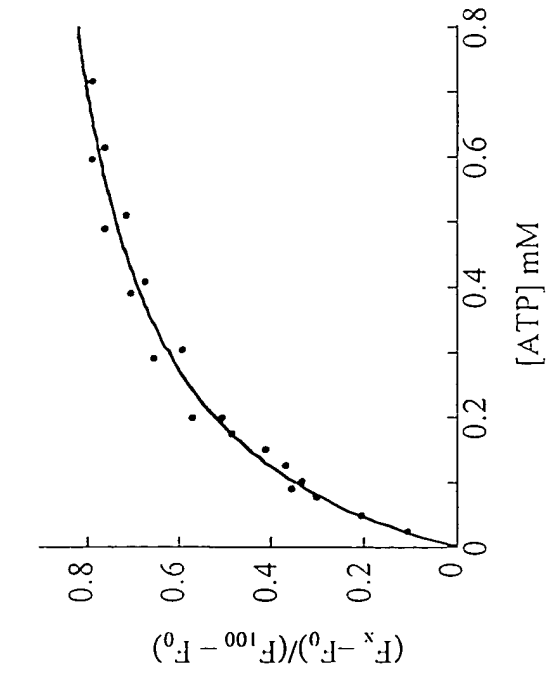
Fig. 3B



	Equimolar ATP, GTP, CTP, UTP	1% serum
R^2	0.99	0.99
Apparent K_d	$127 \pm 3 \mu\text{M}$	$212 \pm 7 \mu\text{M}$
Max. change in RFU	$53 \pm 1 \%$	$77 \pm 1 \%$

Fig. 4A

Fig. 4B



	raCB7b	raRG7b
R^2	0.98	0.99
Apparent K_d	$188 \pm 15 \mu\text{M}$	$571 \pm 39 \mu\text{M}$
Max. change in RFU	$158 \pm 5 \%$	$220 \pm 15 \%$

Fig. 5A

Fig. 5B

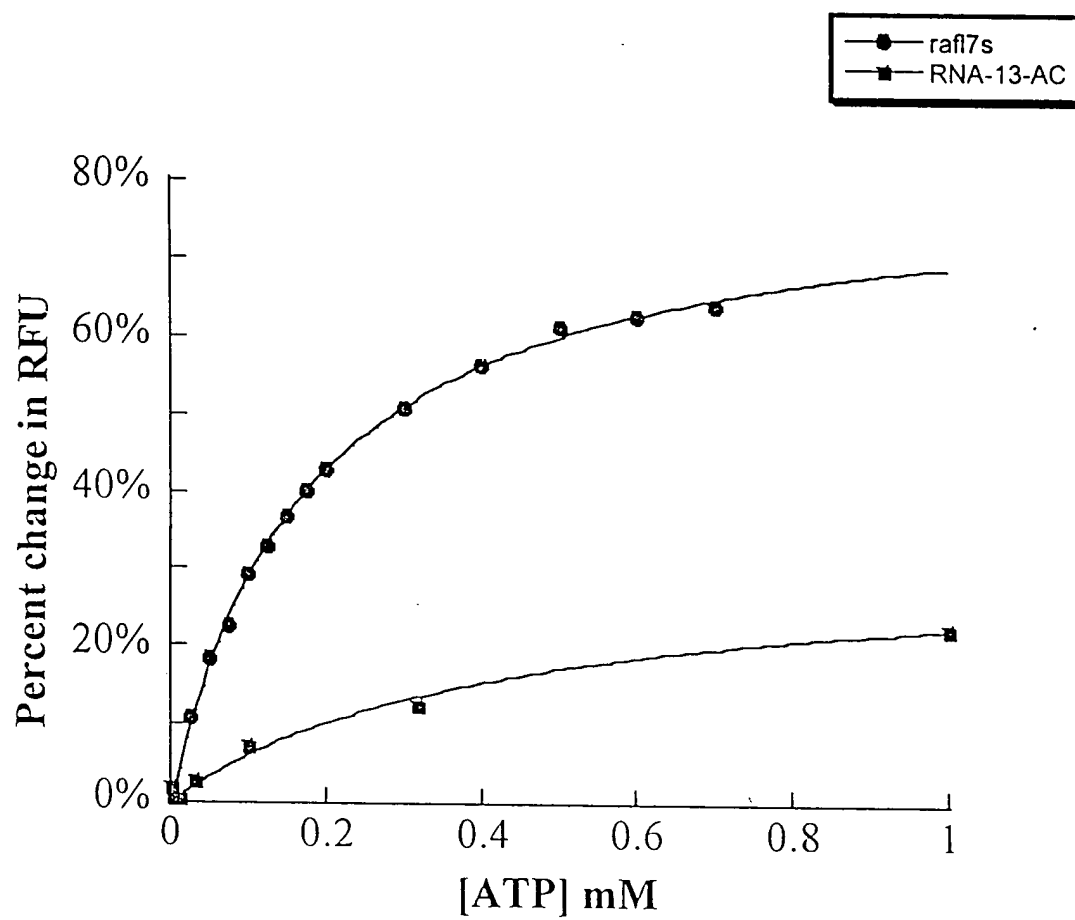


Fig. 6